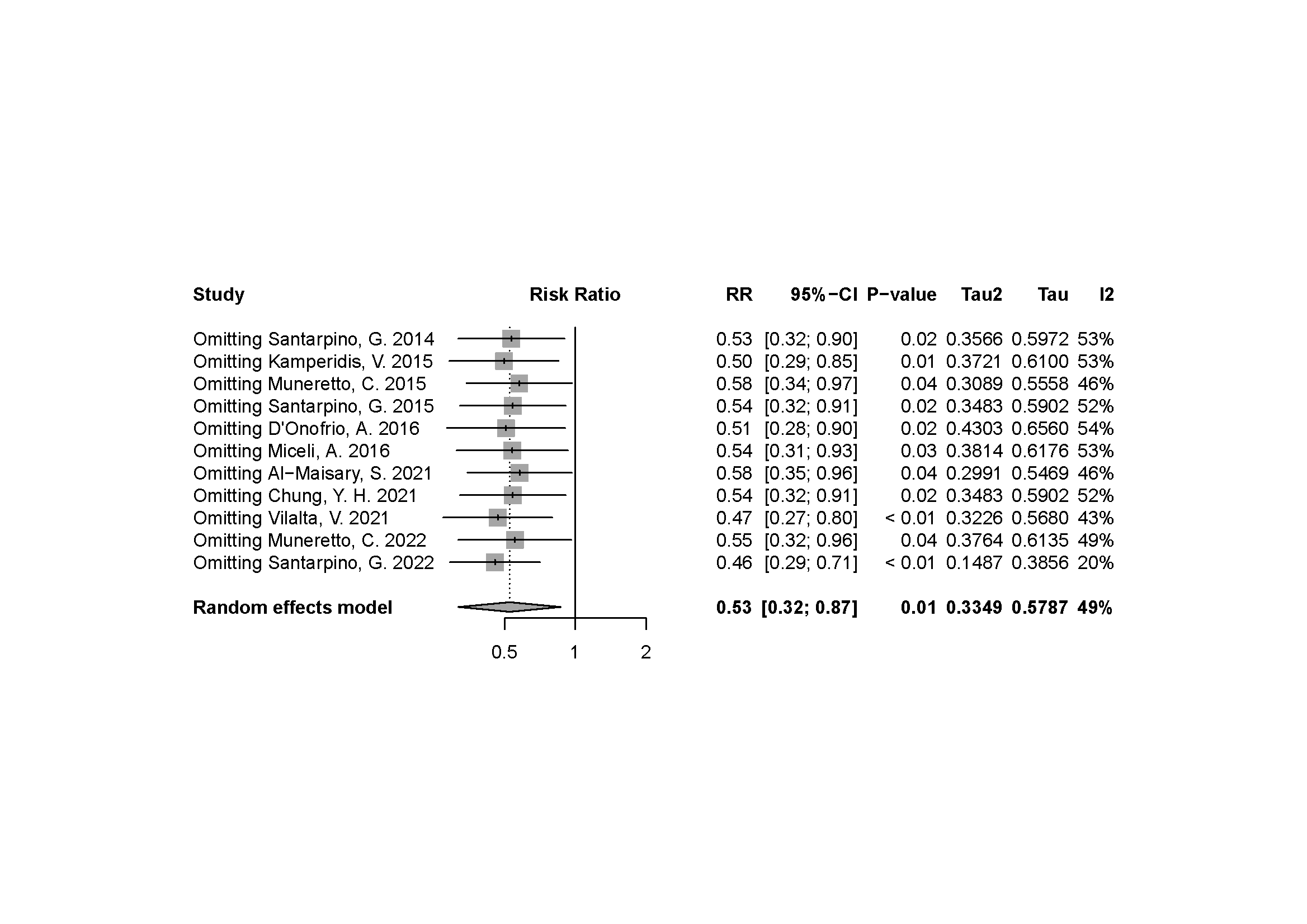
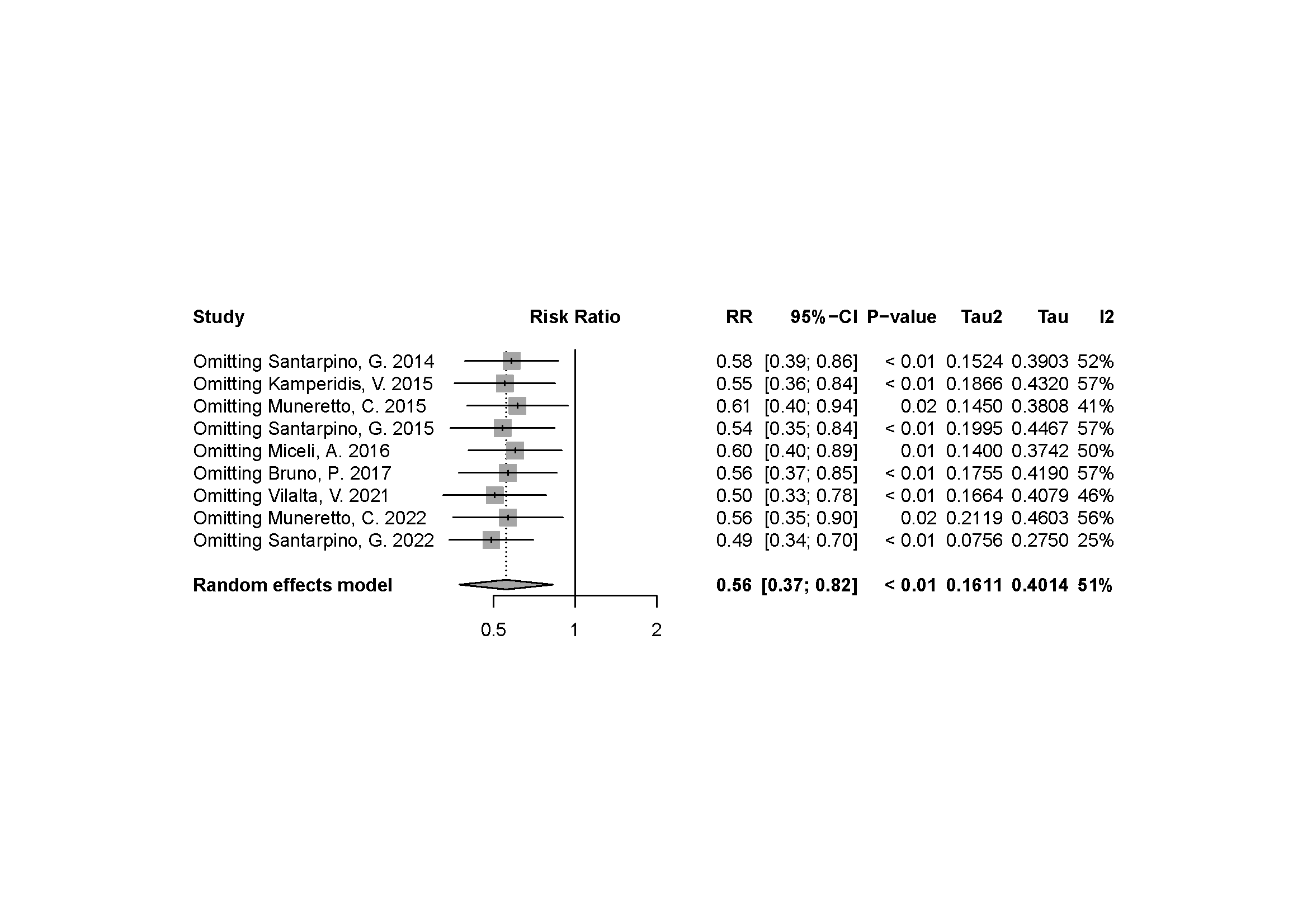


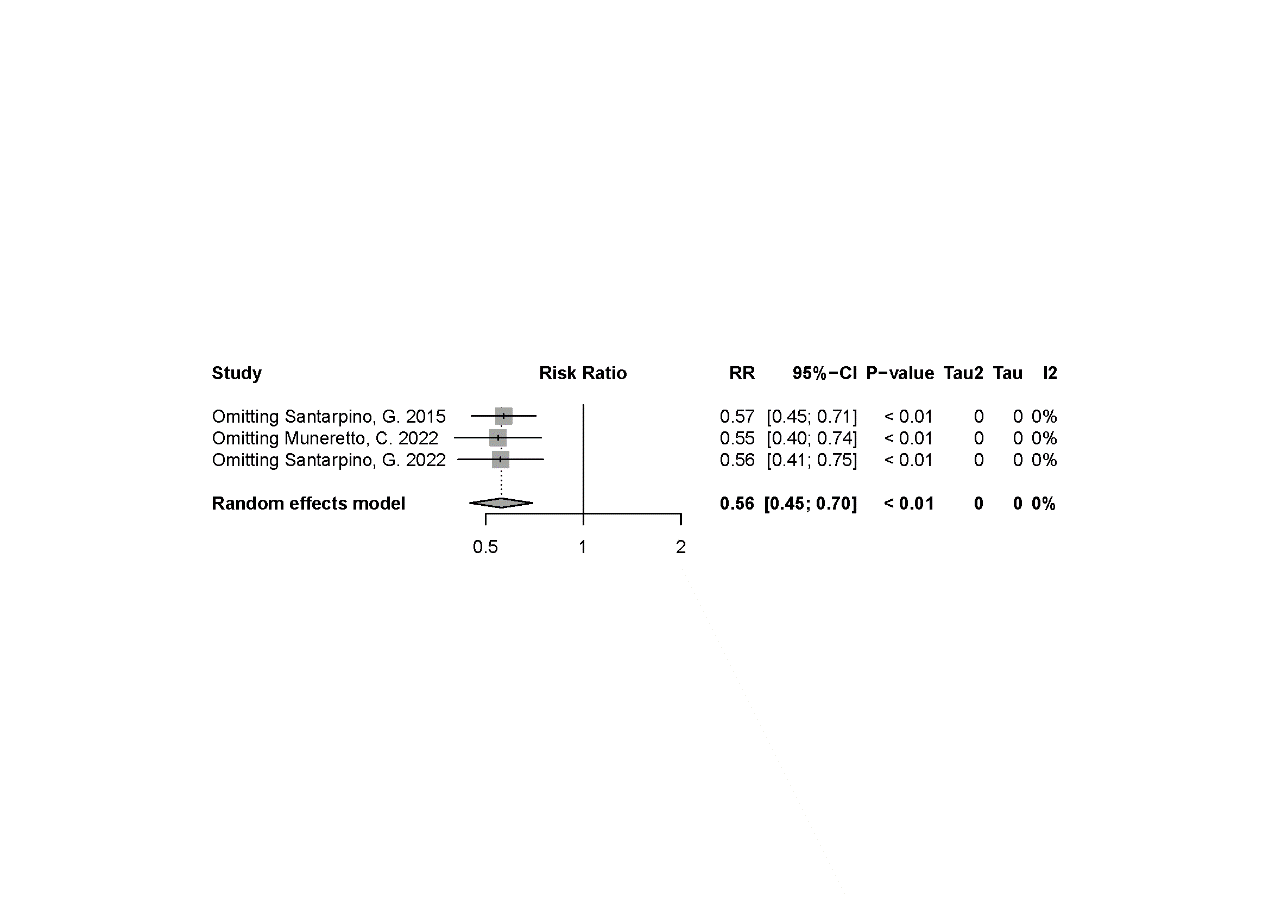
Supplementary Fig. 1 Sensitivity analyses for 30-day mortality



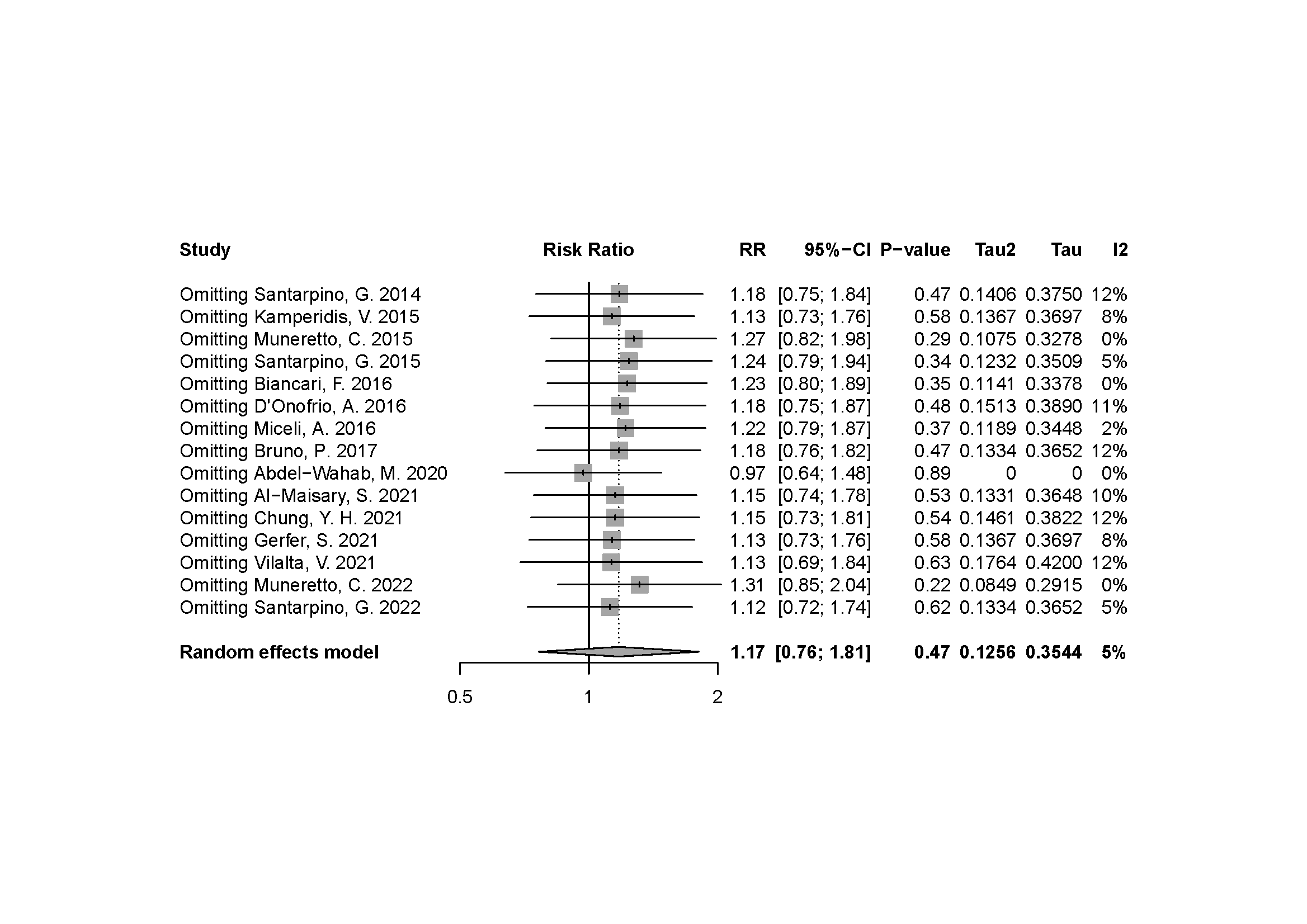
Supplementary Fig. 2 Sensitivity analyses for 1-year mortality



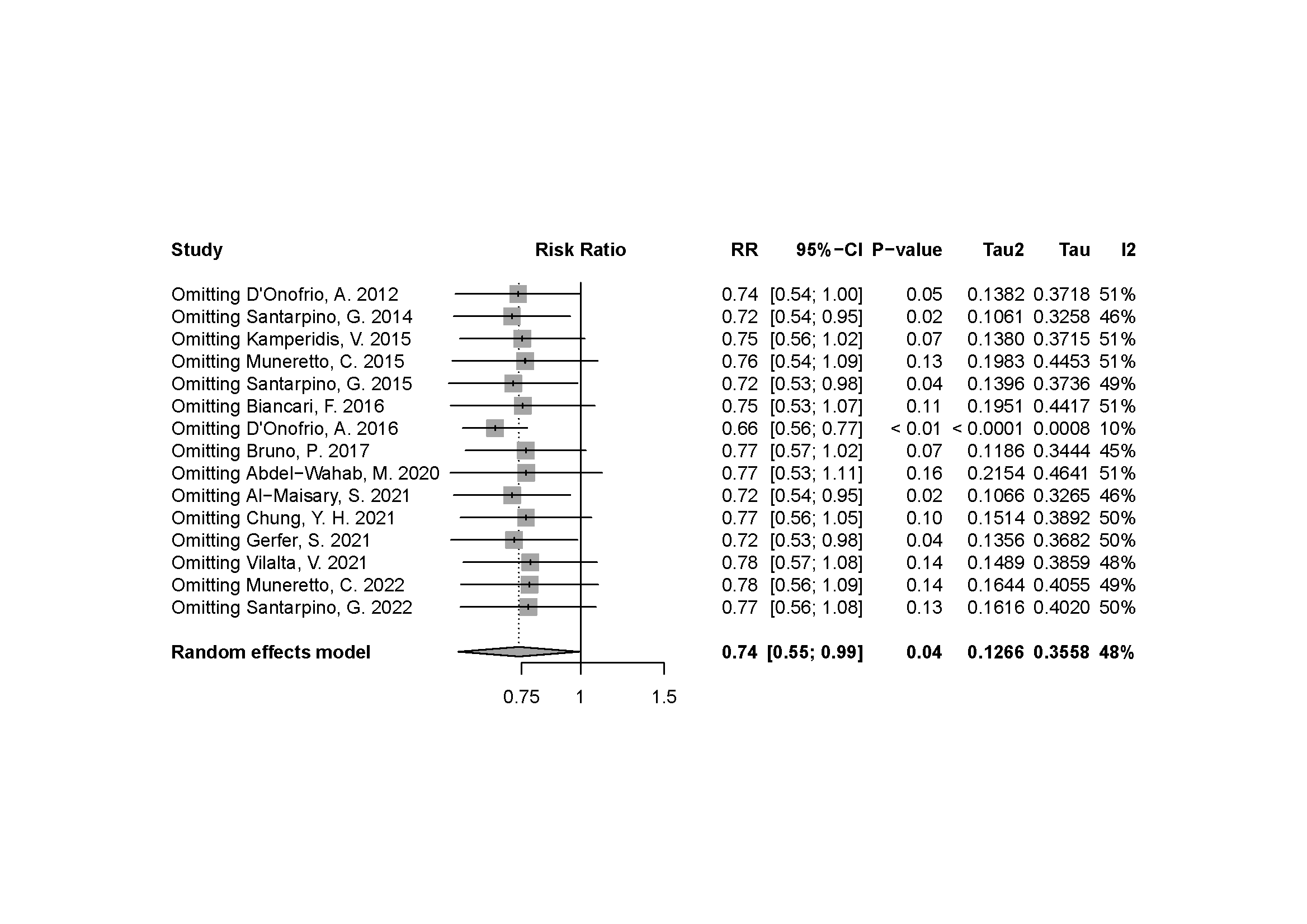
Supplementary Fig. 3 Sensitivity analyses for 2-year mortality



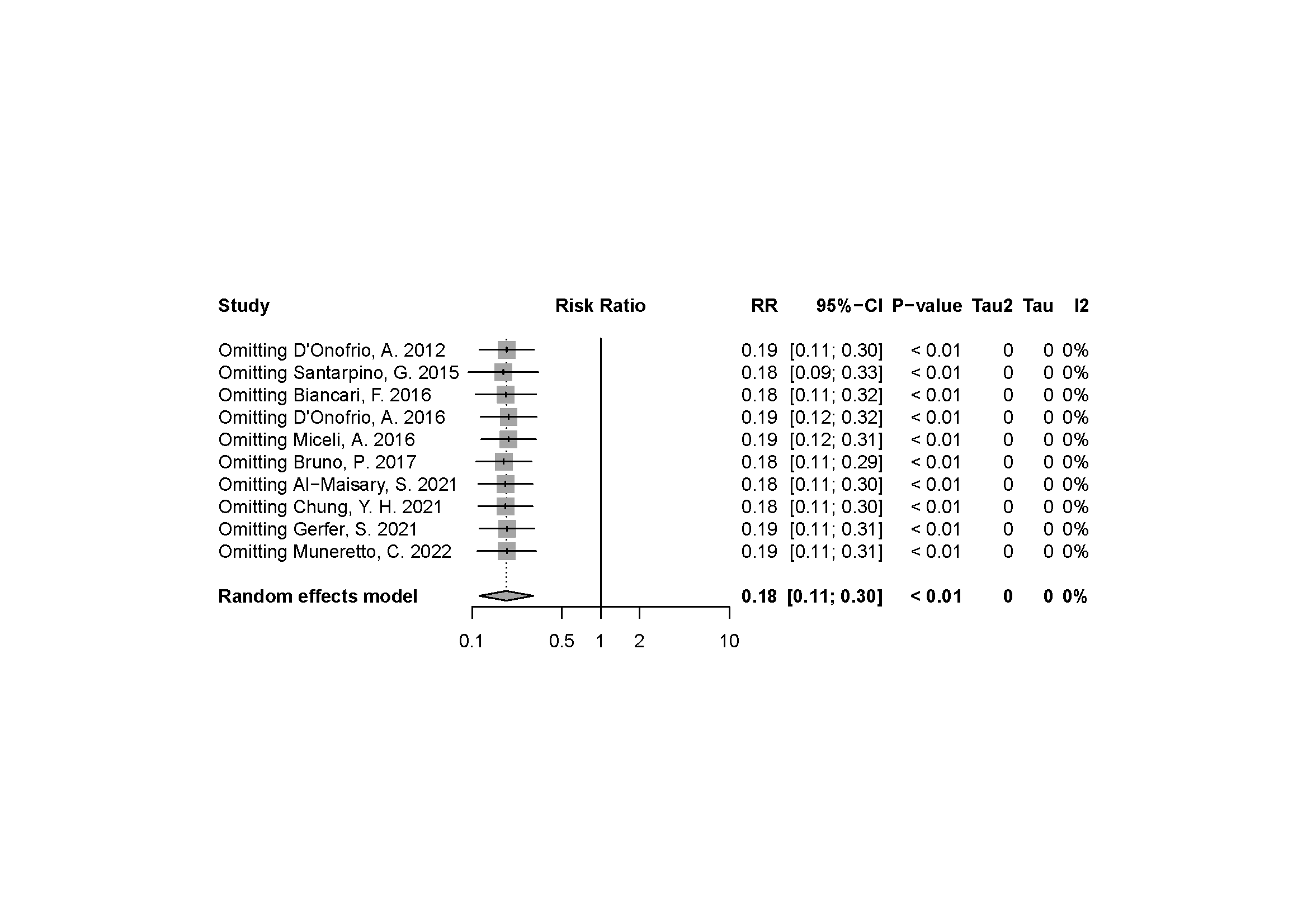
Supplementary Fig. 4 Sensitivity analyses for 5-year mortality



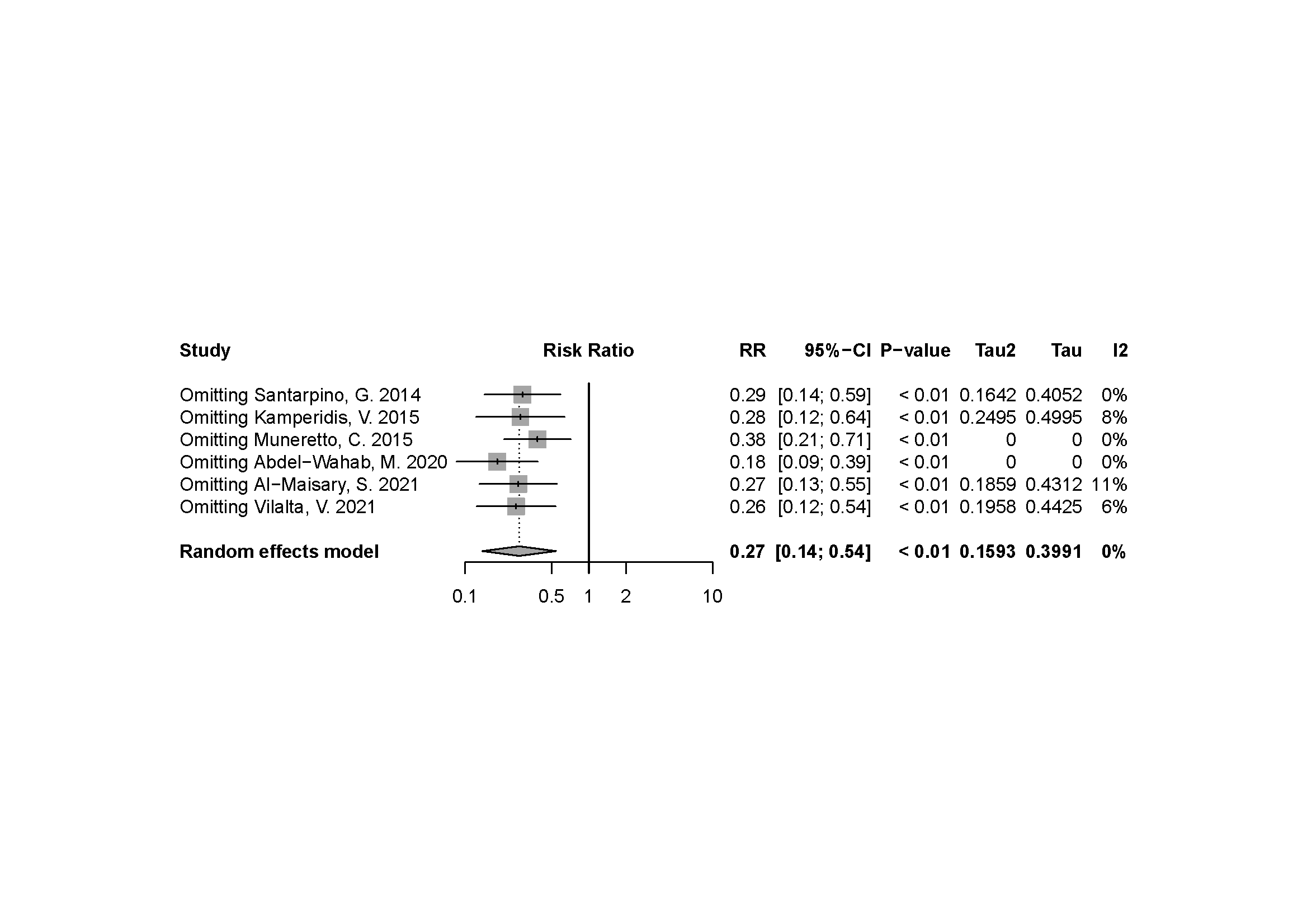
Supplementary Fig. 5 Sensitivity analyses for stroke



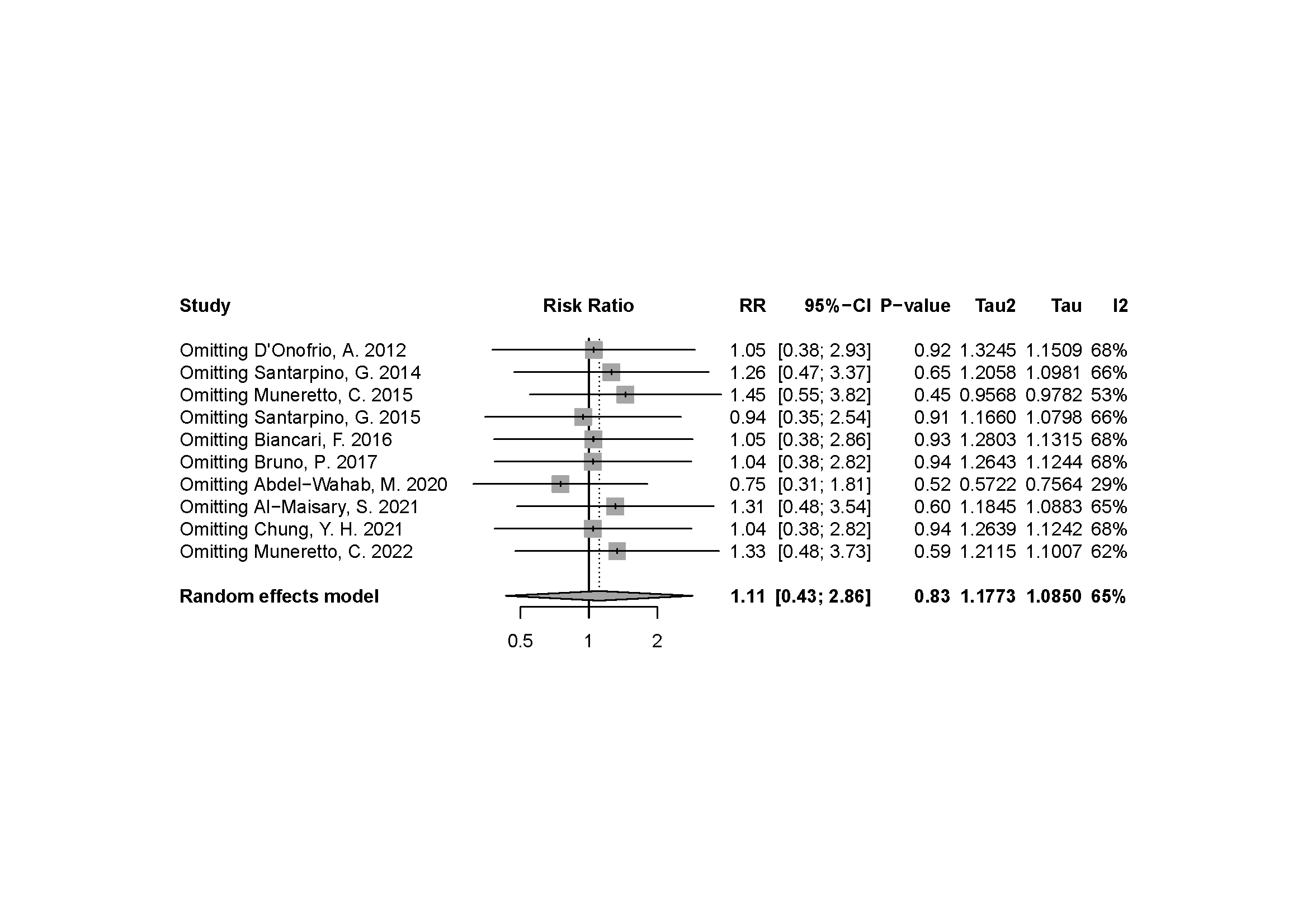
Supplementary Fig. 6 Sensitivity analyses for new PPI



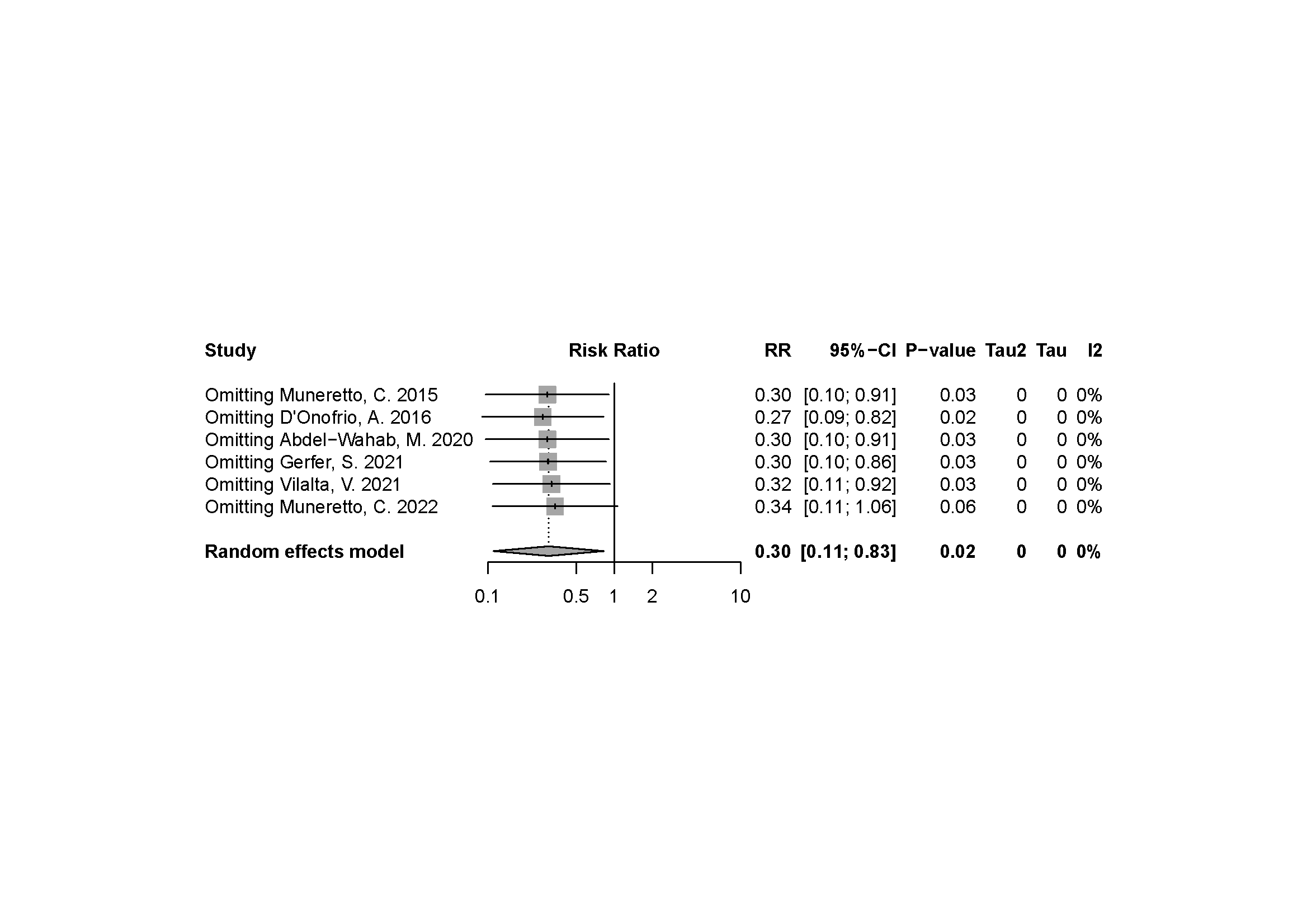
Supplementary Fig. 7 Sensitivity analyses for moderate-to-severe PVL



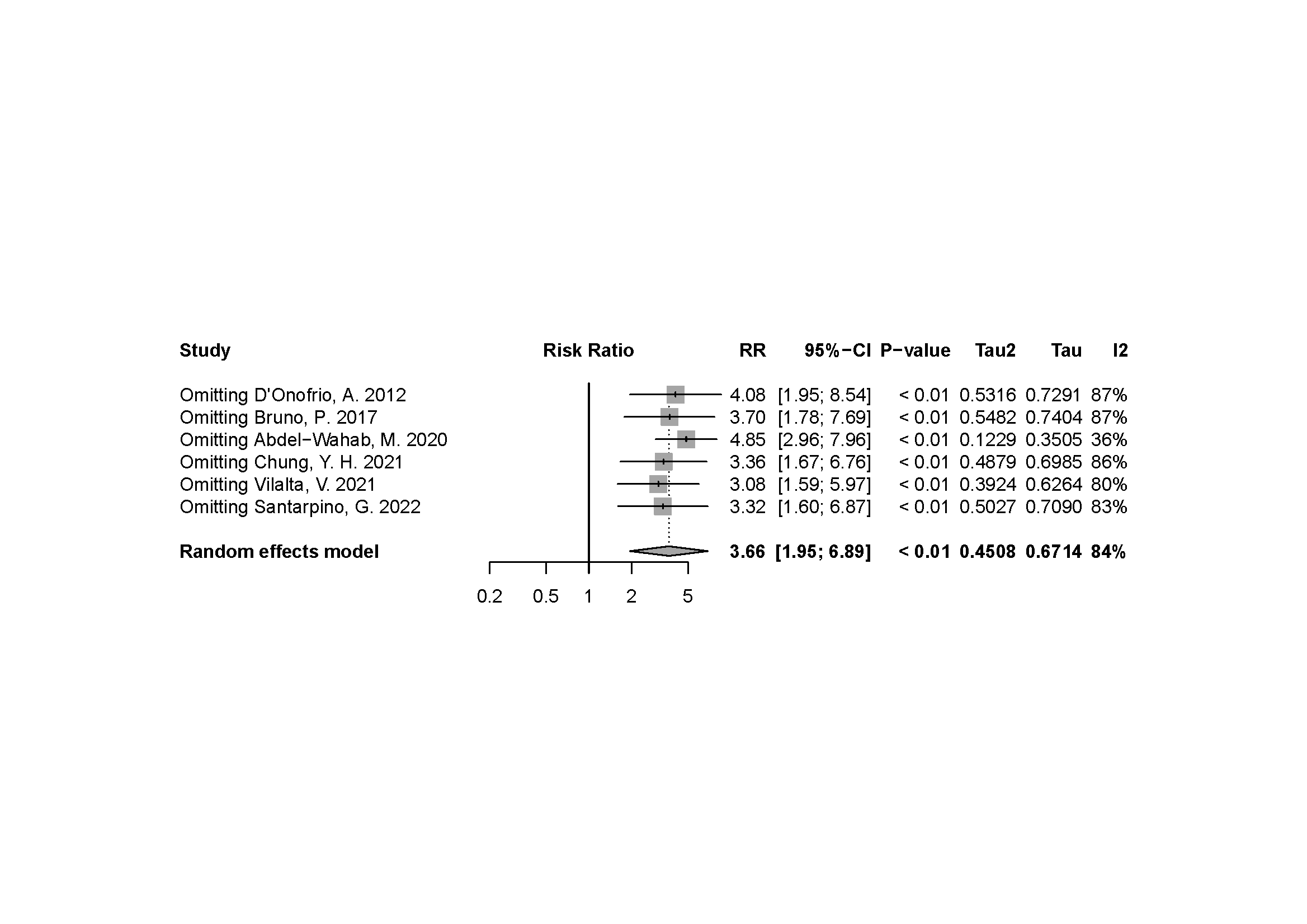
Supplementary Fig. 8 Sensitivity analyses for more-than-mild residual AR



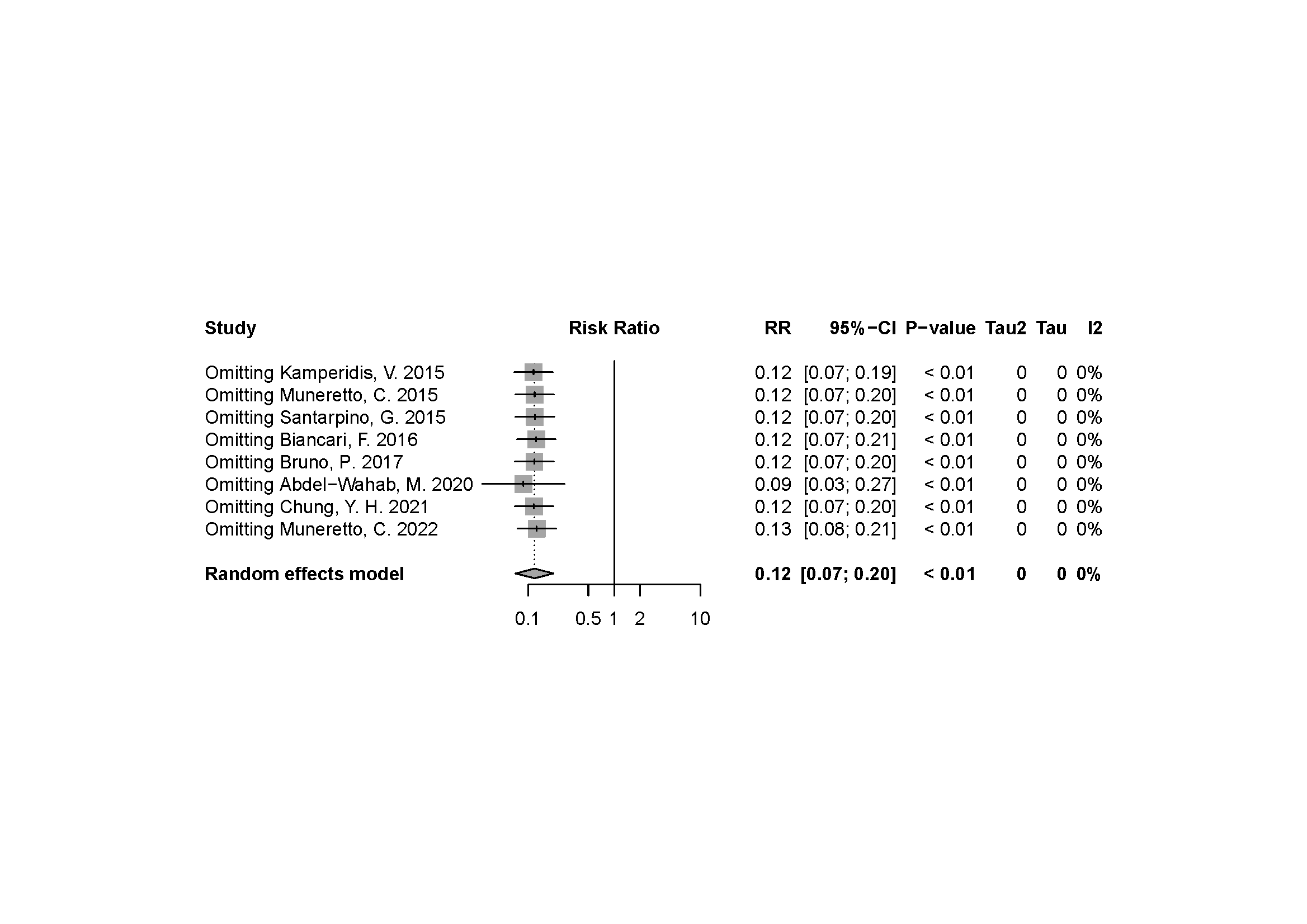
Supplementary Fig. 9 Sensitivity analyses for new renal replacement therapy



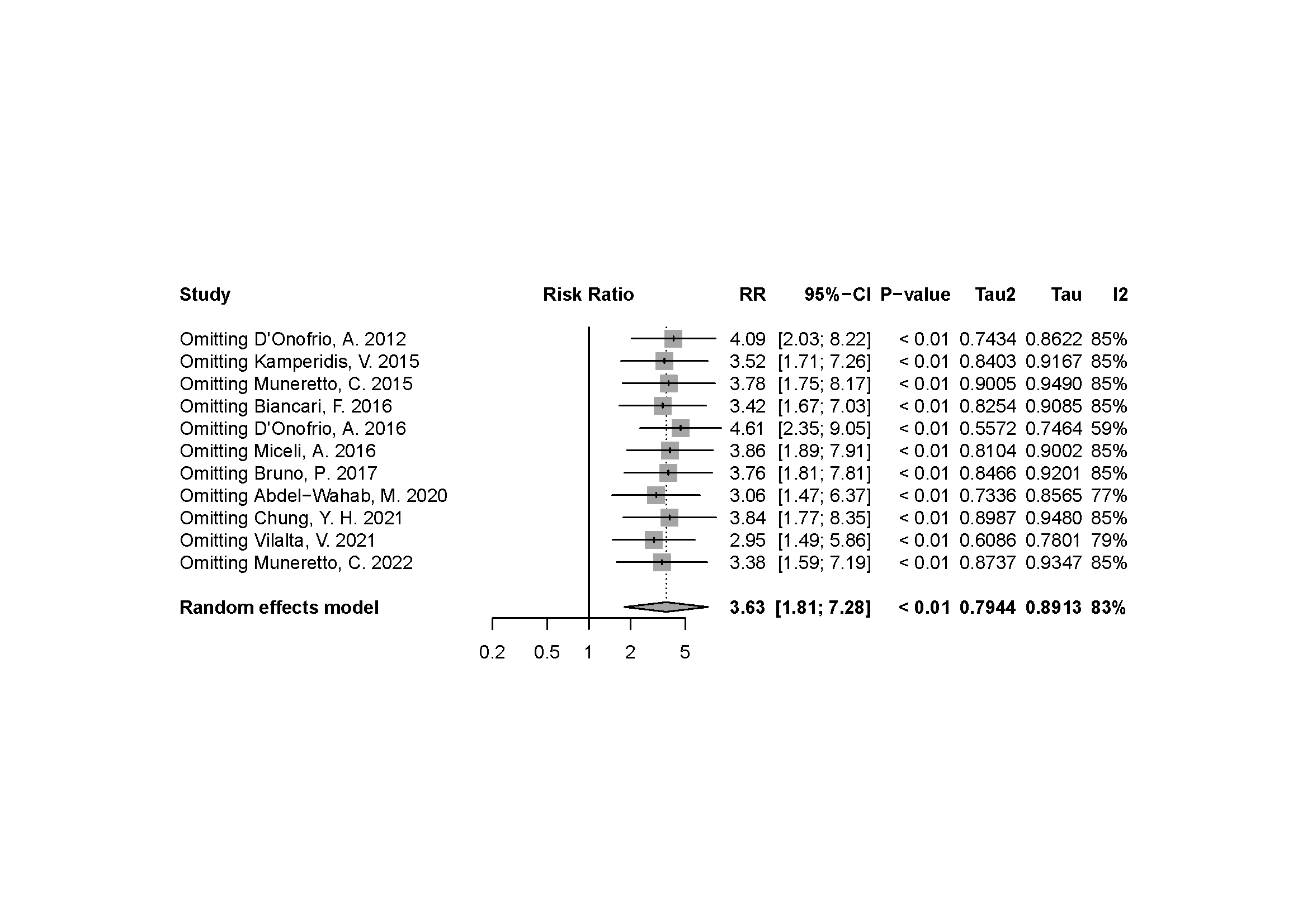
Supplementary Fig. 10 Sensitivity analyses for MI



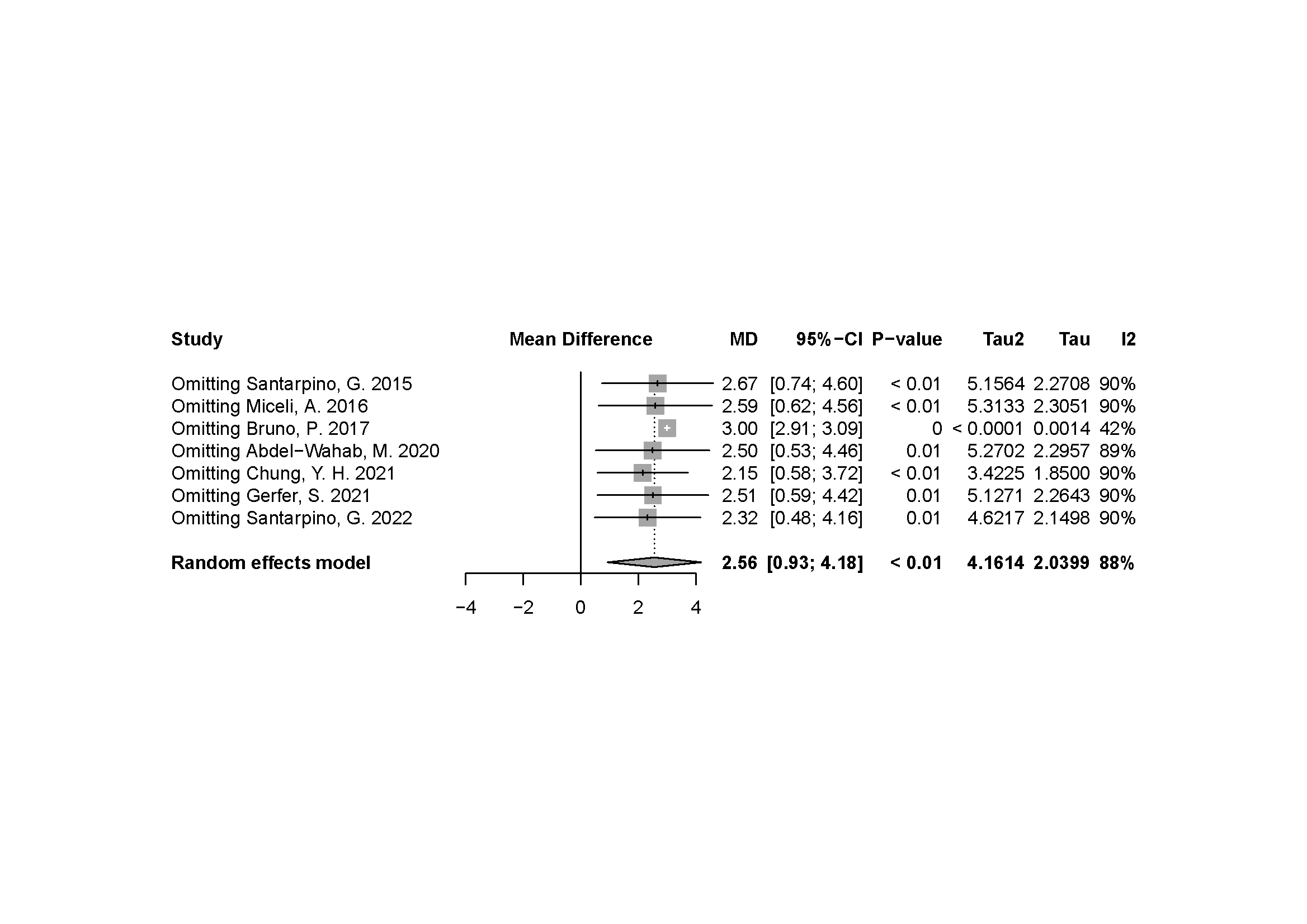
Supplementary Fig. 11 Sensitivity analyses for new AF



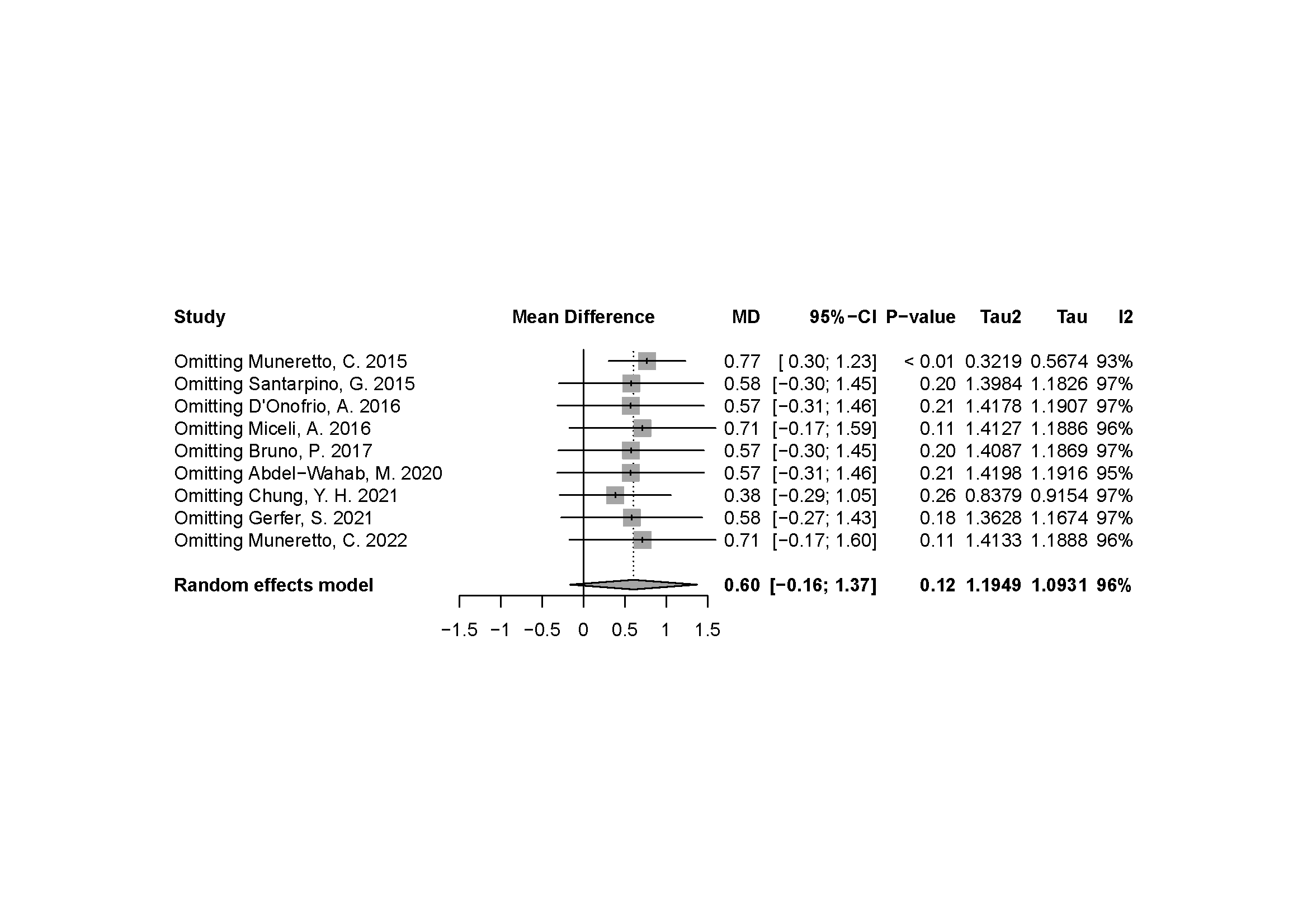
Supplementary Fig. 12 Sensitivity analyses for major vascular complication



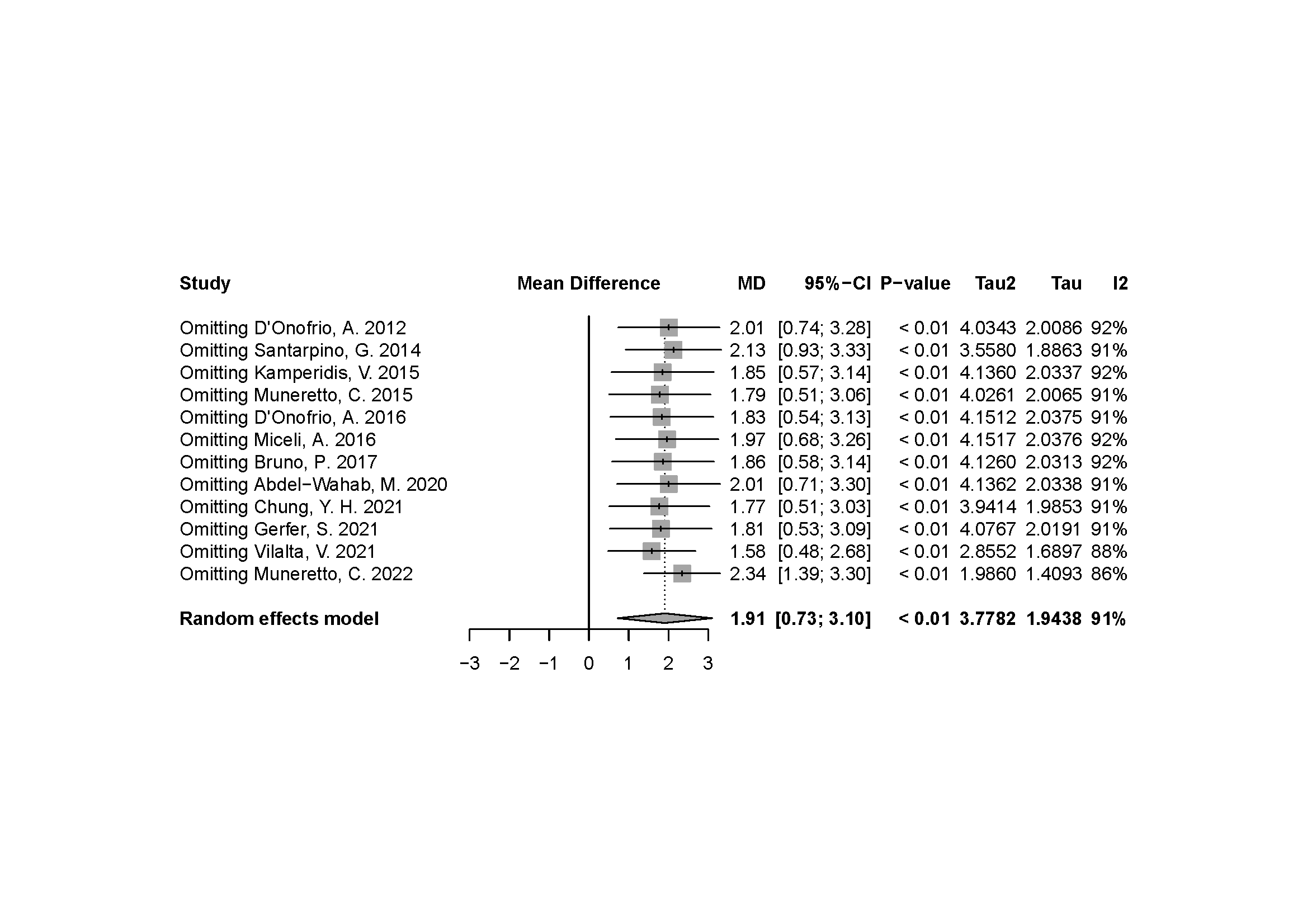
Supplementary Fig. 13 Sensitivity analyses for major or life-threatening bleeding event



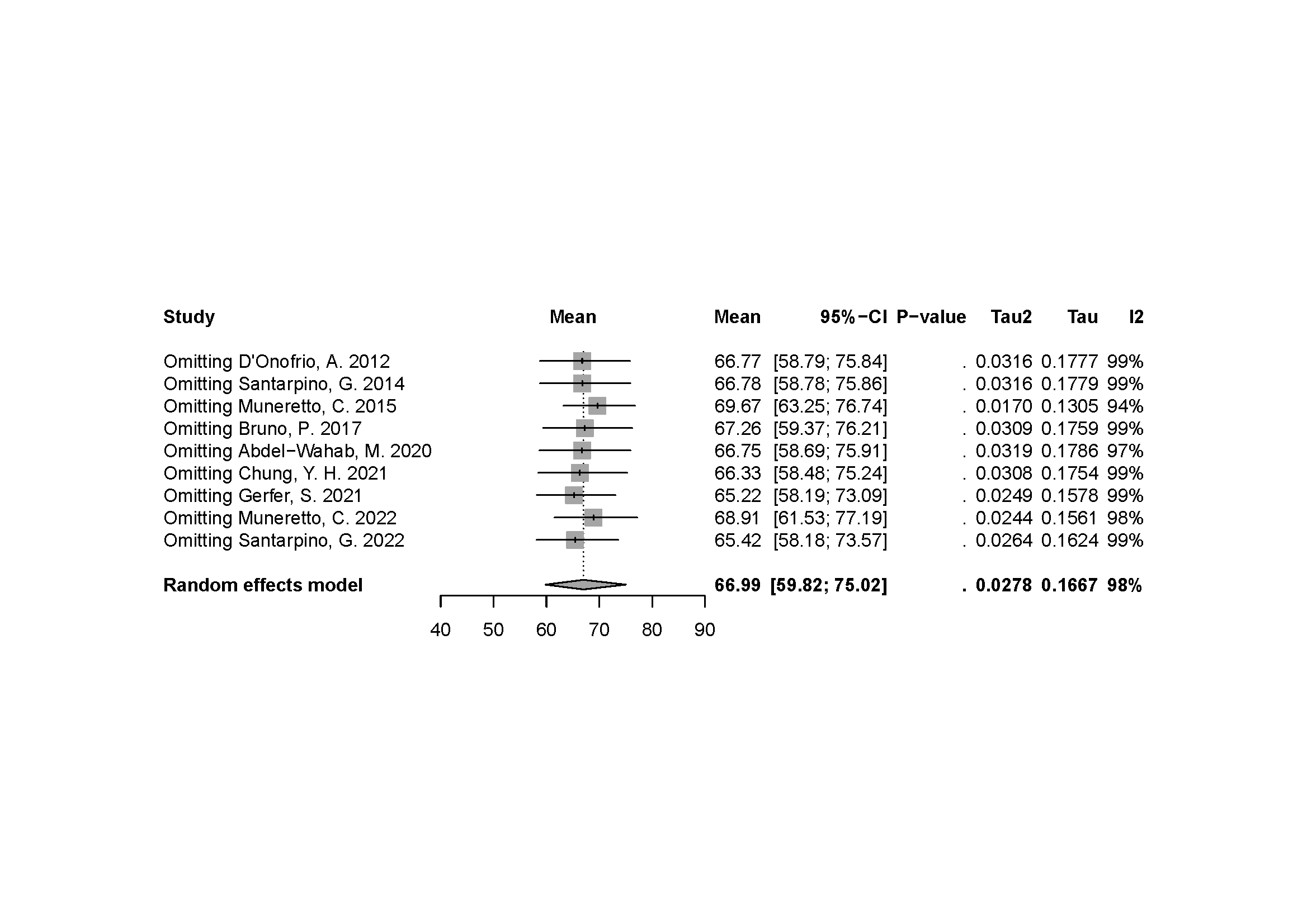
Supplementary Fig. 14 Sensitivity analyses for length of stay



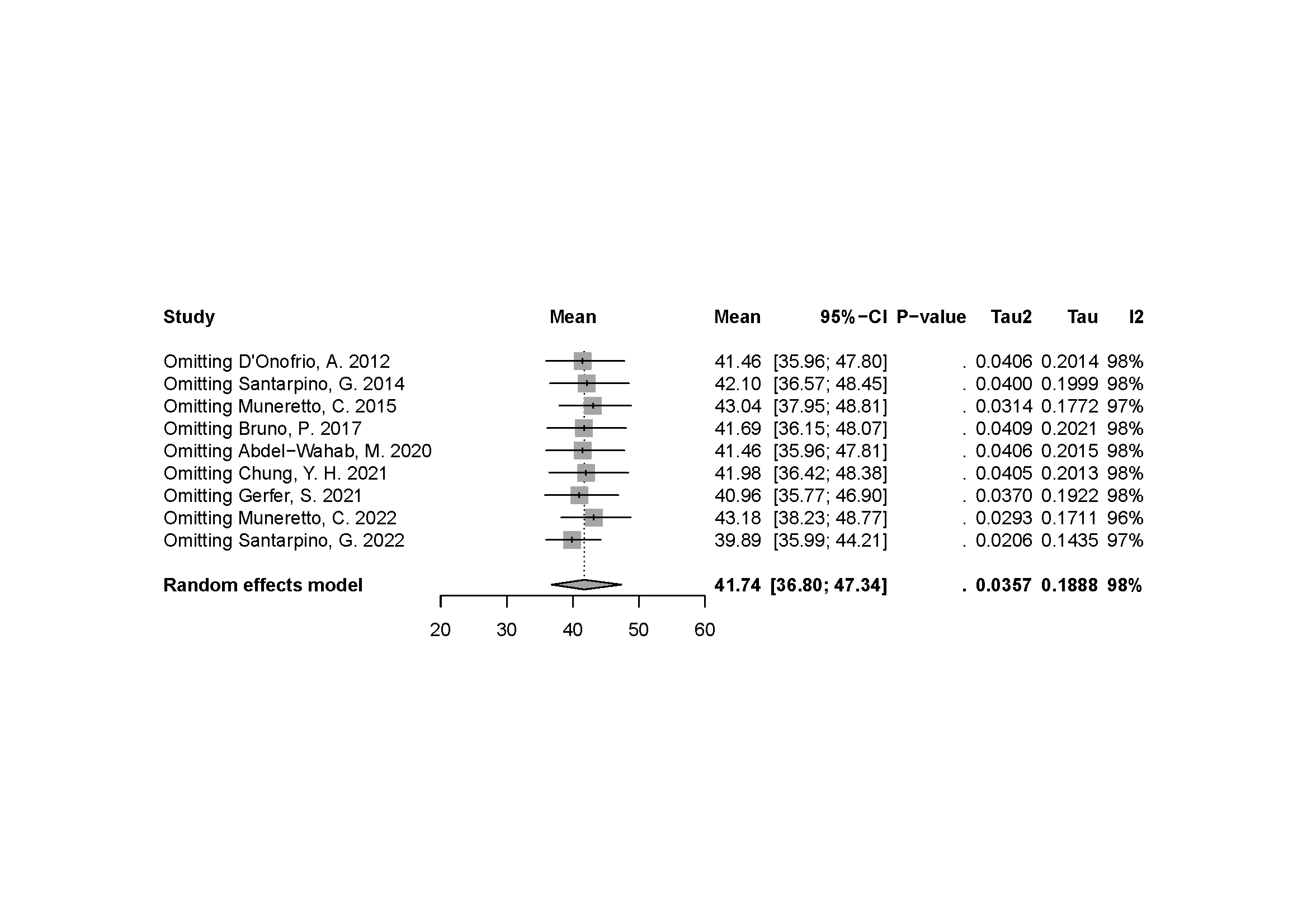
Supplementary Fig. 15 Sensitivity analyses for ICU length of stay



Supplementary Fig. 16 Sensitivity analyses for postoperative mean aortic gradient



Supplementary Fig. 17 Sensitivity analyses for CPB time



Supplementary Fig. 18 Sensitivity analyses for cross-clamp time